

10-May-21		Requirement Measurement Blue Drop Standards	Ashton	Bonnievale	McGregor	Montagu	Robertson	Total Samples	Total Samples Complying
Treated Water									
pH (at 25°C)	≥5.00 - ≤9.70	7,18	7,55	7,36	6,95	6,67	5,00	5,00	
Conductivity (at 25°C)	≤170	62	83,6	13,6	48,5	10,6	5,00	5,00	
Turbidity (NTU)	≤1.0 Operational						5,00	5,00	
	≤5.0 -Aeshetic	<0,30	<0,30	1,86	1,28	1,27	5,00	5,00	
Colour (mg/L as Pt)	≤15	<10	<10	<10	<10	10	5,00	5,00	
Aluminium (µg/L as Al)	≤300	50	53,6	174	50	50	5,00	5,00	
Iron (µg/L as Fe)	≤300 Aesthetic								
	≤2000 Chronic Health	20	20	20	20	20	5,00	5,00	
Free Chlorine (mg/L)	>0.0 - ≤5	0,92	0,03	0,04	0,7	0,19	5,00	5,00	
E.Coli (cnt/100ml)	Not Detected	0	0	0	0	0	5,00	5,00	
Total Coliform Bacteria	≤10	2	4	0	0	3	5,00	5,00	
							10,00	10,00	

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Red block: SANS 241 LIMITS

Yellow Block: Water analysis/results

Values marked red means Non-compliance



Parameters	Unit	18-May-21	18-May-21				Requirement Measurement (Irrigation 500m ³)	Mc-Gregor	Total Samples	Total Samples Complying
			Ashton	Bonnievale	Montagu	Robertson				
Average daily flows (ML)			Faulty	N/A	2265.27	N/A		0,2721		
pH	at 25°C	5.5 - 9.5	7,12	7,33	7,49		6.00 - 9.00	7,56	4	4
Conductivity	mS/m	>70.0 - <150	127	153	122		<200	103	4	3
COD Unfiltered	mg/L	>75.0	681	5790	999	866	<400	790	0	0
COD Filtered	mg/L	>75.0 After Algae Removal	10,0	25	38		N/A		3	3
Ammonia as N	mg/L	6.0 max	0,2	0,7	20,2		N/A		3	2
Nitrate as N	mg/L	15.0 max	5,7	0,8	1		N/A		3	3
Nitrite as N	mg/L	15.0 max	<0,05	0,05	0,09		N/A		0	0
Free Chlorine	mg/L	<0.25	1,09	0,38	1,61		N/A		0	0
TSS	mg/L	25	<2	<2	<2		N/A		3	3
Faecal Coliforms	Org/100 ml	1000 max	0	70	6		<100 000	510	4	4
E Coli	Org/100 ml	1000,0	0	560	20		N/A		0	
								100%	91,67	
Total									24	22